**Science 8- Test #3**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Particle Theory of Matter

a. List the 5 key facts (5 pts.)

b. Short Answer (5 pts.) – How can the Particle Theory of Matter” be used to explain …?

1. States of Matter

a. True or False (5 pts.)

1. Flow Rate

a. Calculation (2 pts.) – What is the flow rate in cm/sec if …

1. Viscosity
2. Short answer (4 pts.)– List the factors that affect a liquids viscosity.
3. Short answer (2 pts.) – Which factor increases gases viscosity but reduces a liquids viscosity
4. Density

a. Definition (4 pts.) – define density and give examples.

b. Calculations (2 pts.) – Calculate density if …

c. Order (2 pts.) – Use the table to order the following from least dense to most dense.

1. Buoyancy

a. Short answer (4 pts.)– What is “Archimedes Principle”?

b. Label (3 pts.)– Determine whether the object will float or sink.

1. Measurement
2. Short answer (3 pts.) - How do you measure …?
3. Match (5 pts.) - What units apply to the following …?